WHAT IS CLAIMED IS:

1	1.	A refurbisher for treating at least one intervertebral disc, said	
2	refurbisher comprising:		
3	(a)	a ribbon-like energy application head having an energy application	
4		region and a tissue protecting region; and	
5	(b)	a control member operationally connected to said ribbon-like	
6		energy application head, said control member suitable for	
7		controlling said ribbon-like energy application head during	
8		treatment of said at least one intervertebral disc.	
1	2.	The refurbisher of claim 1 wherein said ribbon-like energy	
2	application head is	expandable and contractible.	
1	3.	The refurbisher of claim 1 wherein said ribbon-like energy	
2	application head ha	s at least one energy transmission layer.	
1	4.	The refurbisher of claim 1 wherein said ribbon-like energy	
2	application head ha	s at least one heat generation layer.	
1	5.	The refurbisher of claim 1 wherein said ribbon-like energy	
2	application head ha	s at least one insulation layer.	
1	6.	The refurbisher of claim 1 wherein said ribbon-like energy	
2	application head ha	s at least one layer for deflecting the overlying dural sac and nerve	
3	roots to protect the	m from the effects of the thermal treatment.	
1	7.	The refurbisher of claim 1 wherein said ribbon-like energy	
2	application head ha	s at least one expandable and contractable layer.	

1	8.	The returbisher of claim 1, said ribbon-like energy application head	
2	further comprising:		
3	(a)	a bottom layer having a heat generator therein;	
4	(b)	a middle layer providing thermal insulation; and	
5 6	(c)	a top layer for deflecting the overlying dural sac and nerve roots to protect them from the effects of the thermal treatment.	
1	9.	An apparatus for treating at least one intervertebral disc, said	
2	apparatus comprising:		
3 4	(a)	an expandable and contractible energy application head having an energy application region and a tissue protecting region; and	
5 6 7	(b)	said energy application head having a distance between said energy application region and said tissue protecting region wherein said distance is variable to protect tissue associated with said at	
8		least one intervertebral disc.	
1 2	10. comprising:	The apparatus of claim 9, said energy application head further	
3	(a)	smooth, rounded edges;	
4	(b)	a domed center section; and	
5	(c)	said edges sloped to said domed center section;	
6 7	(d)	wherein said energy application head has a wedge-shaped head geometry.	
1	11.	The apparatus of claim 9, wherein said energy application head is a	
2	ribbon-like energy	application head having an energy application region and a tissue	
3	protecting region.		

1	12.	The apparatus of claim 9, said energy application region is selected	
2	from the group consisting of:		
3	(a)	a flexible energy application region;	
4	(b)	a flat energy application region;	
5	(c)	an concave energy application region;	
6	(d)	a convex energy application region; and	
7	(e)	a malleable energy application region.	
1	13.	The apparatus of claim 9, said distance between said energy	
2	application region and said tissue protecting region being variable in proportion to the		
3	amount of energy being delivered to the intervertebral disc.		
1	14.	The apparatus of claim 9, said distance between said energy	
2	application region a	and said tissue protecting region being automatically variable.	
1	15.	The apparatus of claim 9, said distance between said energy	
2	application region a	and said tissue protecting region being manually variable.	
1	16.	The apparatus of claim 9, said distance between said energy	
2	application region a	nd said tissue protecting region being variable by mechanically	
3	expanding and con	tracting said expandable and contractible energy application head.	
1	17.	The apparatus of claim 9 further including an inflatable portion for	
2	expanding and conf	tracting said expandable and contractible energy application head.	

1		10.	An energy application device, said device comprising.
2		(a)	an energy application head having an energy application region
3			and a tissue protecting region;
4		(b)	a distance between said energy application region and said tissue
5			protecting region;
6		(c)	said energy application head having a contracted state in which
7			said distance is a minimum distance;
8		(d)	said energy application head having an expanded state in which
9			said distance is a protecting distance greater than said minimum
10			distance; and
11		(e)	means for varying said distance between said minimum distance
12			and said protecting distance.
1		19.	The device of claim 18, said energy application head further
2	comprising:		
3		(a)	smooth, rounded edges;
4		(b)	a domed center section; and
5		(c)	said edges sloped to said domed center section;
6		(d)	wherein said energy application head has a wedge-shaped head
7			geometry.
1		20.	The device of claim 18, wherein said energy application head is a
2	ribbon-like energy application head having an energy application region and a tissue		
3	protecting region.		

21.	A method for thermally treating an intervertebral disc while
thermally protecting	vulnerable tissues, said method comprising the steps of:
(a)	gaining access to a vertebral column;
(b)	epidurally approaching the posterior aspect of said at least one
	intervertebral disc with an energy application head having an
	energy application region, a tissue protecting region, and a distance
	defined between said energy application region and said tissue
	protecting region;
(c)	varying said distance to protect tissue associated with said at least
	one intervertebral disc to maintain a safe temperature in vulnerable
	tissues near said at least one intervertebral disc; and
(d)	applying energy to a posterior aspect of said at least one
	intervertebral disc while maintaining a safe temperature in said
	vulnerable tissues near said at least one intervertebral disc.
22.	The method of claim 21, further comprising at least one step
selected from the gr	oup of steps consisting of:
(a)	evaluating an extent of disc injury;
(b)	calculating an amount of energy needed to refurbish thermally said
	at least one intervertebral disc;
(c)	monitoring an amount of energy delivered and a temperature in
	vulnerable tissues around said at least one intervertebral disc;
(d)	observing and evaluating an amount of shrinkage and
	strengthening of said at least one intervertebral disc to determine
	an intensity and duration of further energy delivery; and
(e)	verifying that said shrinkage and strengthening of said at least one
	intervertebral disc is mechanically successful.
	thermally protecting (a) (b) (c) (d) 22. selected from the gr (a) (b) (c) (d)